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In the claims:

Please cancel claims 1-13 and replace with the following claims:

5                   --14. An arrangement for a piston and cylinder device, comprising:

                  a cylinder unit having an inner space defined therein;

                  a slidable piston unit disposed in the inner space,  
10       the piston unit being movable in a forward and backward direction, the piston unit dividing the inner space into a first chamber and a second chamber;

                  a piston rod connected to the piston unit and having a recess defined therein;

15                   the cylinder unit having a first closed end wall at the first chamber and a second end wall at the second chamber, the second end wall having a first cylinder channel defined therein, the cylinder unit having a second cylinder channel and a third cylinder channel defined therein;

20                   a hollow sensor element disposed in the inner space, the sensor element having an axial sensor channel defined therein, the piston unit being slidably associated with the sensor element and the sensor element extending into the recess of the piston rod;

25                   the first cylinder channel in fluid communication with the second chamber, the sensor channel in fluid

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communication with the second cylinder channel, the third  
cylinder channel in fluid communication with the first.....  
chamber; and

5 a conductive member disposed in the sensor element,  
the conductive member being connected to an electric unit for  
detecting an inductance.

15 15. The arrangement according to claim 14 wherein  
the recess is an enclosed chamber that is only in fluid  
communication with the sensor channel.

15 16. The arrangement according to claim 14 wherein a  
first control valve in operative engagement with the first  
cylinder channel for controlling the flow of fluid through the  
first cylinder channel.

20 17. The arrangement according to claim 16 wherein  
the arrangement has a second control valve in operative  
engagement with the second cylinder channel for controlling  
the flow of fluid through the second cylinder channel.

25 18. The arrangement according to claim 17 wherein  
the arrangement has a third control valve in operative  
engagement with the third cylinder channel for controlling the  
flow of fluid through the third cylinder channel.

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19. The arrangement according to claim 18 wherein the third valve and the first valve are in communication with a first medium supply container so that a first medium in the first medium supply container is in fluid communication with the first chamber and the second chamber.

20. The arrangement according to claim 17, wherein the sensor element comprises an electrical detection element that is a tube-shaped element collaborating with the piston unit.

21. The arrangement according to claim 20, wherein the sensor element is connected to position sensitive detection devices that consist of an electrical system.

22. The arrangement according to claim 21 wherein the sensor element comprises an inductive functioning sensor device formed by an electrical conductor that has been wound into a coil that lies in the longitudinal direction of the tube-shaped element.

23. The arrangement according to claim 22 wherein the second valve is in operative engagement with the sensor element and that a degree of opening of the second valve is controlled and regulated on the basis of signals and data that are received from the sensor element.

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24. The arrangement according to claim 23 wherein  
the first valve and third valve are in operative engagement  
with the sensor element and that a degree of opening of the  
5 valves is controlled and regulated on the basis of signals and  
data that are received from the sensor element.

25. The arrangement according to claim 14 wherein  
the first cylinder channel carries a first fluid medium, the  
10 recess and the sensor channel carry a second fluid medium and  
the first fluid medium is separate from the second fluid  
medium.--